No. 200100216

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Company

WHEREAS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Mitchell'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this twelfth day of September, in the year two thousand one.*

Attest:

Paul M. Jaboul

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

Local Reproduction of FORM - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
Monsanto Company

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
M95-2883

3. VARIETY NAME
Mitchell

4. ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*
700 Chesterfield Parkway North
St. Louis, Missouri 63198

5. TELEPHONE *(include area code)*
636-737-6089

6. FAX *(include area code)*
636-737-7250

PVPO NUMBER
200100216

FILING DATE
June 11, 2001

7. GENUS AND SPECIES NAME
Triticum aestivum

8. FAMILY NAME *(Botonical)*
Gramineae

FEES RECEIVED
FILING AND EXAMINATION FEE
2705.00
DATE
6/11/2001
CERTIFICATION FEE
320.00
DATE
9/7/01

9. CROP KIND NAME *(common name)*
Soft Red Winter Wheat

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association,etc.) (common name)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

12. DATE OF INCORPORATION
1933

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Ms. Sally Metz
700 Chesterfield Parkway North
St. Louis, Missouri 63198

AND

Dr. Rollin Sears
6515 Ascher Road
Junction City, Kansas 66441

14. TELEPHONE *(include area code)*

15. FAX *(include area code)*

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(follow instructions on reverse)*

- a. [X] Exhibit A. Origin and Breeding History of the Variety
- b. [X] Exhibit B. Statement of Distinctness
- c. [X] Exhibit C. Objective Description of the Variety
- d. [X] Exhibit D. Additional Description of the Variety
- e. [X] Exhibit E. Statement of the Basis of the Applicant's Ownership
- f. [X] Voucher Sample *(2,500 viable untreated seeds, or, for tuber propagated varieties veification that tissue culture will be deposited and maintained in a public repository)*
- g. [X] Filing and Examination Fee *($2,450)*, made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*

[X] YES *(if "yes", answer items 18 and 19 below)* [ ] NO *(if "no", go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

[ ] YES [X] NO

19. IF 'YES' TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?

[ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?

[ ] YES *(iF "YES", give names of countries and dates)* [X] NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
Sally G Metz			
NAME *(Please print or type)* Sally Metz		NAME *(Please print or type)*	
CAPACITY OR TITLE Director Wheat Technology	DATE 21 May 2001	CAPACITY OR TITLE	DATE

SD-470 (04-95)

(See reverse for instructions and information collection burden statement)

Exhibit A.
Origin and Breeding History of Mitchell

Mitchell (M95-2883) is a soft red winter wheat developed by AgriPro Wheat located at Lafayette IN. It was derived from a cross-made in the 1989 spring greenhouse using E87-1508/OH 394 (Ohio 394). E87-1508 was an Agripro breeding line with parentage Agripro Magnum/P101 (Purdue101). A bulk breeding system was used to develop M95-2883 with F1, F2, F3 and F4 populations grown in Brookston IN. From the F4 bulk 104 heads were selected for height and maturity and were planted as head rows. A single F5 head row was advanced to preliminary yield testing as an F6 in 1995-96. M95-2883 was advanced on the criteria medium maturity, medium height, dark green foliage color and very good yield performance.

Advanced yield testing has been conducted for the past 4 years in AgriPro trials in Missouri, Arkansas, Illinois, Indiana, Ohio, and Maryland. Mitchell was tested in the Uniform Eastern Soft Red Winter wheat nursery in the 1998-99 season. Mitchell is primarily adapted to Missouri, Illinois, Indiana and Ohio.

Mitchell has been tested for 5 years and increased for 4 years. In 1997, 100 headrows were grown in Lafayette, Indiana and evaluated for phenotypic similarity. One hundred uniform rows were selected and bulk harvested. In 1998 this seed was grown in Berthoud, Colorado as a 0.2 acre initial Breeders seed increase. In 1999 an additional Breeders seed increase grown in Loveland, Colorado produced 22,180 pounds of Foundation seed.

Mitchell has been uniform and stable since 1998. Less than 0.8% of the plants were rogued from the initial Breeders Seed increase in 1998. Approximately 90% of the rogued variant plants were taller height wheat plants (6 to 15 cm's). Up to 1% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

Mitchell most closely resembles the soft red winter wheat 'Magnum'. However, it can be easily distinguished by the following morphological characteristics:

- Mitchell has hairs on the auricle (Berthoud, Colorado 1998, 1999, 2000). Magnum does not have hairs on its auricle (Berthoud, Colorado 1998, 1999, 2000).

- Mitchell has an erect flag leaf at boot stage (Berthoud, Colorado 1998, 1999, 2000). Magnum has a recurved flag leaf at boot stage (Berthoud, Colorado 1998, 1999, 2000).

- Mitchell does not have hairs on the last internode of the rachis (Berthoud, Colorado 1998, 1999, 2000). Magnum does have hairs on the last internode of the rachis (Berthoud, Colorado 1998, 1999, 2000).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY
Monsanto Company	PVPO NUMBER 200100216
ADDRESS (*Street and No. or R.F.D. No., City, State, and Zip Code*) **700 Chesterfield Parkway North St. Louis, Missouri 63198**	NAME OR EXPERIMENTAL DESIGNATION **Mitchell**

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

[1] 1=Common 2=Durum 3=Club 4=Other (*specify*) _____

2. VERNALIZATION:

[2] 1=Spring 2=Winter 3=Other (*specify*) _____

3. COLEOPTILE ANTHOCYANIN:

[1] 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

[2] 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (*boot stage*):

[2] 1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (*boot stage*):

[1] 1 = Erect 2 = Recurved

[2] 1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

[0][0] Number of Days Earlier Than **Equal to Caldwell** *

[0][0] Number of Days Later Than _____ *

8. ANTHER COLOR:

[1] 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (*from soil to top of head, excluding awns*):

[0][0] cm Taller Than _____ *

[0][1] cm Shorter Than **Caldwell** *

* Relative to a PVPO-Apprved Commercial Variety Grown in the Same Trial

10. STEM:

A. ANTHOCYANIN

[1] 1= Absent 2=Present

B. WAXY BLOOM

[2] 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

[1] 1=Absent 2=Present

D. INTERNODE (*specify number*) _____

[1] 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

[1] 1=Erect 2=Recurved

[3][4] cm Length

11. HEAD (*at Maturity*):

A. DENSITY

[2] 1=Lax 2=Middense 3= Dense

B. SHAPE

[1] 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*) _____

C. CURVATURE

[2] 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

[3] 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

[1] 1 = White 2 = Tan 3 = Other (*specify*) _____

B. SHOULDER

[2] 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

[1] 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

[2] 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

[2] 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

[1] 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

[1] 1=Rounded 2=Angular

C. BRUSH

[2] 1=Short 2=Medium 3=Long

[1] 1 = Not Collared 2 = Collared

D. CREASE

[1] 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

[1] 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

200100216

13. SEED: (continued)

E. COLOR

[3] 1 = White 2 = Amber 3 = Red 4 = Other (*specify*) _____

F. TEXTURE

[2] 1=Hard 2=Soft

G. PHENOL REACTION (*see instructions*):

[0] 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

[0]	Stem Rust (*Puccinia graminis* f. sp. *tritici*) Field races _____	[3]	Leaf Rust (*Puccinia recondita* f. sp. *tritici*) Field races _____
[0]	Stripe Rust (*Puccinia striiformis*) _____	[0]	Loose Smut (*Ustilago tritici*) _____
[0]	Tan Spot (*Pyrenophora tritici-repentis*) _____	[0]	Flag Smut (*Urocystis agropyri*) _____
[0]	Halo Spot (*Selenophoma donacis*) _____	[0]	Common Bunt (*Tilletia tritici or T. laevis*) _____
[3]	*Septoria nodorum* (Glume Blotch) _____	[0]	Dwarf Bunt (*Tilletia controversa*) _____
[0]	*Septoria avenae* (Speckled Leaf Disease) _____	[0]	Karnal Bunt (*Tilletia indica*) _____
[3]	*Septoria tritici* (Speckled Leaf Blotch) Field races _____	[1]	Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*) Field races _____
[3]	Scab (*Fusarium* spp.) _____	[0]	Snow Molds _____
[0]	Black Point (Kernel Smudge) _____	[0]	Common Root Rot (*Fusarium, Cochliobolus* and *Bipolaris* spp. _____
[0]	Barley Yellow Dwarf Virus (BYDV) _____	[3]	Rhizoctonia Root Rot (*Rhizoctonia solani*) _____
[3]	Soilborne Mosaic Virus (SBMV) Field races _____	[0]	Black Chaff (*Xanthomonas campestris* pv. *translucens*) _____
[3]	Wheat Yellow (Spindle Streak) Mosaic Virus Field races _____	[0]	Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*) _____
[0]	Wheat Streak Mosaic Virus (WSMV) Field races _____	[ ]	Other (*specify*) _____
[ ]	Other (*specify*) _____	[ ]	Other (*specify*) _____
[ ]	Other (*specify*) _____	[ ]	Other (*specify*) _____
[ ]	Other (*specify*) _____	[ ]	Other (*specify*) _____

200100216

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

2	Hessian Fly (*Mayetiola destructor*) GP-B-E		Other (*specify*)
0	Stem Sawfly (*Cephus* spp.)		Other (*specify*)
0	Cereal Leaf Beetle (*Oulema melanopa*)		Other (*specify*)
0	Russian Aphid (*Diuraphis noxia*)		Other (*specify*)
0	Greenbug (*Schizaphis graminum*)		Other (*specify*)
0	Aphids		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.
Additional Description of Mitchell

Mitchell is a soft red winter wheat bred and developed by AgriPro Wheat. Mitchell is a medium tall height wheat with medium maturity. Mitchell is moderately resistant to glume blotch, soil borne mosaic virus, and rhizoctonia and moderately susceptible to powdery mildew, septoria tritici and leaf rust.

Juvenile growth habit is semierect. Plant color at boot stage is green. Anther color is yellow. The flag leaf at boot stage is erect and twisted. Auricle anthocyanin and auricle hairs are present. Waxy bloom is present on the stem, flag leaf sheath and head. The head is tapering, middense and awnletted. The glume at maturity is medium in length and width. Shoulder shape on the glume is oblique with an obtuse beak. Seed shape is ovate. Brush length is midlong. Seed crease width is narrow and depth is shallow.

Mitchell is primarily adapted to the states of Ohio, Illinois, Indiana, and Missouri.

AgriPro Wheat

Year	LabNo	Loc-Code	Milling: Brk Flr %	Brk Flr R	Tot Flr %	Tot Flr R	Wht Prot 14%mb	Baking Quality: Flr Prot 14%mb	Flr Prot R	C.Diam mm	C.Diam R	T.G R	Norris Hard	Scores: Mill	Scores: Bake
							MITCHELL								
1999	7079	CI-91115	44.0		67.4		9.3	7.6		19.3		4	9	-	-
1999	7008	LF-91115	45.0		68.5		9.0	7.6		18.5		4	10	-	-
1998	7542	AO-91209	44.4		67.8		8.7	7.4		18.9		3	20	-	-
1998	7614	LF-91209	44.5		68.5		9.9	8.1		18.3		4	26	-	-
1995	7416	BK-62917	42.2	3	67.7	4	9.7	8.3	5	18.2	3	5	22	7 -B	13 -C
		Average:	**44.0**	**3**	**68.0**	**4**	**9.3**	**7.8**	**5**	**18.6**	**3**	**4**	**17**	**7**	**13**
							CALDWELL								
1999	7072	CI-91101	42.2		68.0		10.2	8.8		19.1		3	4	-	-
1999	7001	LF-91101	45.8		69.9		9.3	8.1		18.8		3	11	-	-
1998	7539	AO-91201	44.1		67.3		8.6	7.4		18.0		4	19	-	-
1998	7611	LF-91201	51.6		69.7		10.7	9.1		17.9		8	25	-	-
1995	7411	BK-62903	40.7	3	69.5	2	10.2	8.9	3	17.7	2	4	25	5 -A	9 -B
		Average:	**44.9**	**3**	**68.9**	**2**	**9.8**	**8.5**	**3**	**18.3**	**2**	**4**	**17**	**5**	**9**

Test weight lbs/bu.
Height: inches
Disease scores 1-9; 1 resistant - 9 very susceptible

2000	Test Weight	Height	Heading	Powdery mildew	Leaf blotch	Leaf Rust	Soil borne mosaic virus	Glume blotch	Rhizoctonia
Agripro Mitchell	55.7	40	124	6	5	6	3	3	3
Agripro Patton	53.9	38	124	4	4	3	2		3
Agripro Foster	55.2	38	125	3	4	1	3		3
Patterson	55.6	40	124	5	5		2		5
Caldwell	54.8	39	125	5	6		5		5
Mean	55.0	39.0	124.4						
Observations	9 loc x 2 rep	2 loc x 2 rep	2 loc x 2 rep	4	3	2	2	1	1

1999	Lafayette IN	Carmi IL							
Agripro Mitchell	59.0	57.6	39	134	6	5	6	4	4
Agripro Patton	58.6	56.5	37	133	5	2	3	3	
Agripro Foster	59.0	56.6	37	134		5	5	3	
Patterson	58.6	57.5	40	132	5	4	5	3	
Caldwell	58.1	55.9	38	134		6		5	
Mean	58.7	56.8	38.2	133.4					
Observations	1 loc x 2 rep	1 loc x 2 rep	2 loc x 2 rep	2 loc x 2 rep	1	4	3	3	1

1998	Lafayette IN	Greenville OH							
Agripro Mitchell	59.0	58.0	40	124	7	5.5	5	3	3
Agripro Patton	58.0	56.0	39	123	5	3	4		7
Patterson	58.0	58.0	42	123	3	5	4		6
Caldwell	57.0	56.0	41	126	7	7	3		6
Mean	58.0	57.0	40.5	124.0					
Observations	1 loc x 2 rep	1 loc x 2 rep	2 loc x 2 rep	2 loc x 2 rep					

1998-99 USDA Hessian Fly Screen

seedlings resistant / seedlings susceptible

	Biotype GP	Biotype B	Biotype C	Biotype D	Biotype E	Biotype L
Mitchell	16 / 0	12 / 0	0 / 14	0 / 13	23 / 0	0 / 18

Proposed H6 gene for resistance

200100216

Yield Data

Year		Replicated test sites									
		Findlay OH	Greenville OH	Ft.Wayne IN	Lafayette IN	Sullivan IN	Evansville IN	Pana IL	Highland IL	Columbia MO	Beltsville MD
2000	Agripro Mitchell	63	74	58	56	56	79	66	61	60	59
	Agripro Patton	63	80	64	46	49	76	68	60	56	74
	Agripro Foster	62	79	68	54	54	62	57	60	62	59
	Patterson	59	72	57	26	38	65	60	46		
	Caldwell	46	69	58	41	54	53	55	47		
	High	74	92	72	59	63	79	68	74	69	74
	Mean	59	76	62	49	50	63	58	59	62	59
1999	Agripro Mitchell	77	74	89	75		68	56	64	72	66
	Agripro Patton	70	65	84	69		55	59	48	84	73
	Agripro Foster	73	68	84	64		57	58	46	77	64
	Patterson	77	77	83	65		53	57	62		
	Caldwell	62	72	80	64		56	54	42		
	High	83	83	95	76		71	67	74	90	75
	Mean	74	73	86	68		58	58	57	78	64
1998	Agripro Mitchell	48		73	60	38	39	44	45		67
	Agripro Patton	53		66	64	41	52	53	47		74
	Agripro Foster										65
	Patterson	48		62	55	31	40	35	43		
	Caldwell	43		65	48	19	37	31	36		
	High	56		82	77	51	56	55	56		75
	Mean	46		70	60	35	47	42	44		64

REPRODUCE LOCALLY. *Include form number and edition date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR [illegible] NUMBER	3. VARIETY NAME
Monsanto Company	M95-2883	Mitchell
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	**5. TELEPHONE** *(Include area code)*	**6. FAX** *(Include area code)*
700 Chesterfield Parkway North St. Louis, Missouri	636-737-6089	636-737-7250
	7. PVPO NUMBER 200100216	

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. [X] YES [ ] NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? [X] YES [ ] NO
If no, give name of country

10. Is the applicant the original owner? [ ] YES [X] NO *If no, please answer one of the following:*

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?
[ ] YES [ ] NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?
[X] YES [ ] NO If no, give name of country

11. Additional explanation on ownership *(if needed, use reverse for extra space)*:

Please see following page.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Curtis Beazer, an employee of AgriPro Wheat. By agreement between employees and AgriPro Wheat all rights to any invention, discovery, or development made by the employee while employed by AgriPro Wheat, were assigned to AgriPro Wheat, with no rights of any kind pertaining to 'Mitchell' being retained by the employees.

By contractual agreement the variety 'Mitchell' was purchased from AgriPro Wheat, a business unit of Advanta USA, Inc. in June of 1996 and is currently owned by Monsanto Company.